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SEQUENCE LISTING

<110> CHUGAI SEIYAKU KABUSHIKI KAISHA

Kitamura, Toshio

<120> MAST CELL-DERIVED MEMBRANE PROTEINS

<130> C1-A0229Y1P

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<140> PCT/JP03/13921

<141> 2003-10-30

<150> JP 2002-316680

<151> 2002-10-30

<150> JP 2002-354165

<151> 2002-12-05

<160> 6

<170> PatentIn version 3.1

<210> 1

<211> 1752

<212> DNA

<213> Mus musculus

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&lt;222&gt; (148).. (1104)

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cctgccggtg acccgtgtgt gggagaa atg acc caa ctg gcc tca gct gtg tgg 174

Met Thr Gln Leu Ala Ser Ala Val Trp

1

5

ctg ccc acg ctg ttg ctg ctg ctg ctg ctt ttt tgg ctt cca ggc tgt 222

Leu Pro Thr Leu Leu Leu Leu Leu Leu Phe Trp Leu Pro Gly Cys

10

15

20

25

gtc cct ctg cat ggt ccc agc acc atg aca gga agt gtg ggt caa tcc 270

Val Pro Leu His Gly Pro Ser Thr Met Thr Gly Ser Val Gly Gln Ser

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ctg agt gtg tcg tgt cag tat gag gag aaa ttt aag act aag gac aaa 318

Leu Ser Val Ser Cys Gln Tyr Glu Glu Lys Phe Lys Thr Lys Asp Lys

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Tyr Trp Cys Arg Gly Ser Leu Lys Val Leu Cys Lys Asp Ile Val Lys  
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acc agc agc tca gaa gaa gct agg agt ggc aga gtg acc atc agg gac 414  
Thr Ser Ser Ser Glu Glu Ala Arg Ser Gly Arg Val Thr Ile Arg Asp  
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cat cca gac aac ctc acc ttc aca gtg acc tat gag agc ctc acc ctg 462  
His Pro Asp Asn Leu Thr Phe Thr Val Thr Tyr Glu Ser Leu Thr Leu  
90 95 100 105

gat gat gca gac acc tac atg tgt gcg gtg gat ata cca ttt ttc aat 510  
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110 115 120

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Ala Pro Leu Gly Leu Asp Lys Tyr Phe Lys Ile Glu Leu Ser Val Val  
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cca agt gag gac cca gtt tca tct cca gga cca aca cta gag aca cct 606  
Pro Ser Glu Asp Pro Val Ser Ser Pro Gly Pro Thr Leu Glu Thr Pro  
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gtg gtg tcc acc agt ctg cct acc aag ggt ccc gcc cta gga tcc aac 654

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Val Val Ser Thr Ser Leu Pro Thr Lys Gly Pro Ala Leu Gly Ser Asn

155

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165

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Thr Glu Asp Arg Arg Glu His Asp Tyr Ser Gln Gly Leu Arg Leu Pro

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175

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gcg ctg ttg tct gtg tta gct ctc ctg ctg ttt ctg ttg gtg ggg aca 750

Ala Leu Leu Ser Val Leu Ala Leu Leu Leu Phe Leu Leu Val Gly Thr

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Ser Leu Leu Ala Trp Arg Met Phe Gln Lys Arg Leu Val Lys Ala Asp

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Arg His Pro Glu Leu Ser Gln Asn Leu Arg Gln Ala Ser Glu Gln Asn

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Ala Leu Pro Gln Glu Glu Leu His Tyr Ser Ser Val Ala Phe Asn Ser	
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Gln Arg Gln Asp Ser His Ala Asn Gly Asp Ser Leu His Gln Pro Gln	
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Asp Gln Lys Ala Glu Tyr Ser Glu Ile Gln Lys Pro Arg Lys Gly Leu	
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Ser Asp Leu Tyr Leu	
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<213> Mus musculus

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Leu Leu Leu Phe Trp Leu Pro Gly Cys Val Pro Leu His Gly Pro Ser

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Thr Met Thr Gly Ser Val Gly Gln Ser Leu Ser Val Ser Cys Gln Tyr

35

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Glu Glu Lys Phe Lys Thr Lys Asp Lys Tyr Trp Cys Arg Gly Ser Leu

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60

Lys Val Leu Cys Lys Asp Ile Val Lys Thr Ser Ser Ser Glu Glu Ala

65

70

75

80

Arg Ser Gly Arg Val Thr Ile Arg Asp His Pro Asp Asn Leu Thr Phe

85

90

95

Thr Val Thr Tyr Glu Ser Leu Thr Leu Asp Asp Ala Asp Thr Tyr Met

100

105

110

Cys Ala Val Asp Ile Pro Phe Phe Asn Ala Pro Leu Gly Leu Asp Lys

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Tyr Phe Lys Ile Glu Leu Ser Val Val Pro Ser Glu Asp Pro Val Ser

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Ser Pro Gly Pro Thr Leu Glu Thr Pro Val Val Ser Thr Ser Leu Pro

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Thr Lys Gly Pro Ala Leu Gly Ser Asn Thr Glu Asp Arg Arg Glu His

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Asp Tyr Ser Gln Gly Leu Arg Leu Pro Ala Leu Leu Ser Val Leu Ala  
180 185 190

Leu Leu Leu Phe Leu Leu Val Gly Thr Ser Leu Leu Ala Trp Arg Met  
195 200 205

Phe Gln Lys Arg Leu Val Lys Ala Asp Arg His Pro Glu Leu Ser Gln  
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Asn Leu Arg Gln Ala Ser Glu Gln Asn Glu Cys Gln Tyr Val Asn Leu  
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Gln Leu His Thr Trp Ser Leu Arg Glu Glu Pro Val Leu Pro Ser Gln  
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Val Glu Val Val Glu Tyr Ser Thr Leu Ala Leu Pro Gln Glu Glu Leu  
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His Tyr Ser Ser Val Ala Phe Asn Ser Gln Arg Gln Asp Ser His Ala  
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Asn Gly Asp Ser Leu His Gln Pro Gln Asp Gln Lys Ala Glu Tyr Ser  
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Glu Ile Gln Lys Pro Arg Lys Gly Leu Ser Asp Leu Tyr Leu



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<212> DNA

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tct cag gtc cca ggc tgt gtc cca ctg cat ggc ccc agc act atc aca 96

Ser Gln Val Pro Gly Cys Val Pro Leu His Gly Pro Ser Thr Ile Thr

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ggc gct gtt ggg gaa tcg ctc agt gtg tca tgt caa tac gag gag aaa 144

Gly Ala Val Gly Glu Ser Leu Ser Val Ser Cys Gln Tyr Glu Glu Lys

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Phe Lys Thr Lys Asp Lys Phe Trp Cys Arg Gly Ser Leu Lys Val Leu

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tgt aaa gat att gtc aag acc agc agc tca gaa gaa gtt agg aat ggc 240

Cys Lys Asp Ile Val Lys Thr Ser Ser Ser Glu Glu Val Arg Asn Gly

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cga gtg acc atc agg gac cat cca gac aac ctc acc ttc aca gtg acc 288

Arg Val Thr Ile Arg Asp His Pro Asp Asn Leu Thr Phe Thr Val Thr

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Tyr Glu Ser Leu Thr Leu Glu Asp Ala Asp Thr Tyr Met Cys Ala Val

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gat ata tca ctt ttt gat ggc tcc ttg ggg ttc gat aag tac ttc aag 384

Asp Ile Ser Leu Phe Asp Gly Ser Leu Gly Phe Asp Lys Tyr Phe Lys

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att gag ttg tct gtg gtt cca agt gag gac cca gtc aca ggt tcg agc 432

Ile Glu Leu Ser Val Val Pro Ser Glu Asp Pro Val Thr Gly Ser Ser

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ctt gag agt ggt aga gat atc ctg gaa tcc ccc aca tcc tca gtt ggg 480

Leu Glu Ser Gly Arg Asp Ile Leu Glu Ser Pro Thr Ser Ser Val Gly

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160

cac act cat ccc agt gtg acc aca gat gac aca att cct gct ccc tgc 528

His Thr His Pro Ser Val Thr Thr Asp Asp Thr Ile Pro Ala Pro Cys

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170

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cct cag cct cgg tct ctt cgg agc agc ctc tac ttc tgg gtc ctg gtg 576

Pro Gln Pro Arg Ser Leu Arg Ser Ser Leu Tyr Phe Trp Val Leu Val

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tct ctg aag ttg ttc ctg ttc ctg agc atg ctt ggt gct gtc ctc tgg 624

Ser Leu Lys Leu Phe Leu Phe Leu Ser Met Leu Gly Ala Val Leu Trp

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gtg aac agg cct cag agg tgc tct ggg gga agc agc act cag ccc tgt 672

Val Asn Arg Pro Gln Arg Cys Ser Gly Gly Ser Ser Thr Gln Pro Cys

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tat gag aac cag tga

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Tyr Glu Asn Gln

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Ser Gln Val Pro Gly Cys Val Pro Leu His Gly Pro Ser Thr Ile Thr

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25

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Gly Ala Val Gly Glu Ser Leu Ser Val Ser Cys Gln Tyr Glu Glu Lys

35

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45

Phe Lys Thr Lys Asp Lys Phe Trp Cys Arg Gly Ser Leu Lys Val Leu

50

55

60

Cys Lys Asp Ile Val Lys Thr Ser Ser Ser Glu Glu Val Arg Asn Gly

65

70

75

80

Arg Val Thr Ile Arg Asp His Pro Asp Asn Leu Thr Phe Thr Val Thr

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90

95

Tyr Glu Ser Leu Thr Leu Glu Asp Ala Asp Thr Tyr Met Cys Ala Val

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105

110

Asp Ile Ser Leu Phe Asp Gly Ser Leu Gly Phe Asp Lys Tyr Phe Lys

115

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Ile Glu Leu Ser Val Val Pro Ser Glu Asp Pro Val Thr Gly Ser Ser

130

135

140

Leu Glu Ser Gly Arg Asp Ile Leu Glu Ser Pro Thr Ser Ser Val Gly

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His Thr His Pro Ser Val Thr Thr Asp Asp Thr Ile Pro Ala Pro Cys

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170

175

Pro Gln Pro Arg Ser Leu Arg Ser Ser Leu Tyr Phe Trp Val Leu Val

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Ser Leu Lys Leu Phe Leu Phe Leu Ser Met Leu Gly Ala Val Leu Trp

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Tyr Glu Asn Gln

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